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IN THE CLAIMS

- 1. (previously presented) A router for routing a flame, comprising:
- a first memory;
- a route-information-receiving unit for receiving route information transmitted by an adjacent router;
- a route-information-writing unit for storing said information on a route into said first memory;

a route-information-transmission control unit for controlling transmission of said information on a route to adjacent routers;

a route-information-change-reporting unit for reporting a change in information on a route involving a particular adjacent router to adjacent routers other than said particular adjacent router if information on a route has not been received from said particular adjacent router for at least a predetermined period of time;

a relay-processing unit for routing a received frame on the basis of said route information stored in said first memory;

a temporary-halt-start-informing unit for transmitting a temporary-halt-start notification message indicating a start of a temporary halt to adjacent routers in the event of said temporary halt; and

a temporary-halt-recovery-informing unit for transmitting a temporary-halt-recovery notification message indicating a recovery from a temporary halt to adjacent routers in the event of said recovery from said temporary halt, wherein

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said temporary halt temporarily halts a process relating to routing including a transmission of said information on a route, and said recovery restarts the process relating to routing including a transmission of said information on a route.

- 2. (original) A router according to claim 1, further comprising:
- a second memory;
- a route-information-saving unit for saving route information stored in said first memory to said second memory in the event of a temporary half; and
- a route-information-restoring unit for restoring information on a route from said second memory back to said first memory in the event of a recovery from a temporary halt.
- 3. (original) A router according to claim 1, wherein, in the event of a temporary halt, said temporary-halt-start-informing unit informs other adjacent routers of a time to recovery from said temporary halt.
 - 4. (original) A router according to claim 1, further comprising:
- a temporary-halt-start management unit for inputting a notification of a start of a temporary halt from an external source and passing on said notification to said temporary-halt-start-informing unit; and
- a temporary-halt-recovery management unit for inputting a notification of a recovery from a temporary halt from an external source and passing on said notification to said temporary-halt-recovery-informing unit.

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- 5. (previously presented) A router for routing a frame, comprising:
- a first memory;
- a route-information-receiving unit for receiving information on a route transmitted by an adjacent router;
- a route-information-writing unit for storing said information on a route into said first memory;
- a route-information-transmission control unit for controlling transmission of said information on a route to adjacent routers;
- a route-information-change-reporting unit for reporting a change in information on a route involving a particular adjacent router to adjacent routers other than said particular adjacent router if information on a route has not been received from said particular adjacent router for at least a predetermined period of time;
- a relay-processing unit for routing a received frame on the basis of said route information stored in said first memory;
- a temporary-halt-start-notification-receiving unit for receiving a temporary-halt-start notification message indicating a start of a temporary halt of an adjacent router from said adjacent router in the event of said temporary halt;
- a route-information-temporarily-locking unit for requesting said route-information-change-reporting unit to temporarily lock a process to report a change in information on a route involving a particular adjacent router to adjacent routers other than said particular adjacent router when a temporary-halt-start notification message indicating a start of a temporary halt of a

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process relating to routing including a transmission of said information on a route of said particular adjacent router is received from said particular adjacent router;

a temporary-halt-recovery-notification-receiving unit for receiving a temporary-halt-recovery notification message indicating a recovery from a temporary halt of an adjacent router from said adjacent router in the event of said recovery from said temporary halt; and

a route-information-temporary-lock-ending unit for requesting said route-information-change-reporting unit to end a state to temporarily lock the process to report a change in information on a route involving a particular adjacent router to adjacent routers other than said particular adjacent router when a temporary-halt-recovery notification message indicating a recovery from a temporary halt of said particular adjacent router is received from said particular adjacent router.

PAGE 9/9 * RCVD AT 1/29/2007 3:10:59 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/9 * DNIS:2738300 * CSID:12129408987 * DURATION (mm-ss):15-20